

REMARKS

Initially, in the Office Action dated February 13, 2003, the Examiner has rejected claims 1, 6-10, 14-20, 24-29 and 33-36 under 35 USC §102(b) as being anticipated by U.S. Patent No. 4,899,138 (Araki et al.). Further, claims 4, 5, 12, 13, 22, 23, 31 and 32 have been rejected under 35 USC §103(a) as being unpatentable over Araki et al. in view of U.S. Patent No. 4,914,624 (Dunthorn). Claims 11, 21, 30 and 37-42 have been rejected under 35 USC §103(a) as being unpatentable over Araki et al. in view of U.S. Patent No. 5,615,384 (Allard et al.).

By the present response, Applicants have cancelled claim 37. Further, Applicants have amended claims 1, 9, 19, 28, 38, 39, 40 and 41 to further clarify the invention. Claims 1 and 4-36, and 38-42 remain pending in the present application.

35 USC §102 Rejections

Claims 1, 6-10, 14-20, 24-29 and 33-36 have been rejected under 35 USC §102(b) as being anticipated by Araki et al. Applicants respectfully traverse these rejections.

Araki et al. discloses a touch panel control device for providing control signals to select an operation mode for an electronic device according to how the finger touches a touch panel, a timer starts its operation from the time instant when the finger touches the touch panel, and the direction and distance of movement of the finger in a predetermined period of time are detected, to control the operation of the electronic device or the like.

Regarding claims 1, 9, 19 and 28, Applicants submit that Araki et al. does not disclose or suggest the limitations in the combination of each of

these claims of, inter alia, inputting data at a wireless device using a touch screen where the wireless device receives configuration information from a server. Araki et al. relates to a touch panel control device for acoustic equipment (see col. 1, lines 7-21). Araki et al. does not disclose or suggest anything related to a wireless device, or a wireless device having a touch screen that receives configuration information from a server, as recited in the claims of the present application. Araki et al. is related to a touch panel for acoustic devices (see also col. 8, lines 24-37) and has nothing to do with a wireless device or receiving configuration at a wireless device from a server.

Regarding claims 6-8, 10, 14-18, 20, 24-27, 29 and 33-36, Applicants submit that these claims are dependent on one of independent claims 1, 9, 19 and 28 and, therefore, are patentable at least for the same reasons noted regarding these independent claims.

Accordingly, Applicants submit that Araki et al. does not disclose or suggest the limitations in the combination of each of claims 1, 6-10 and 14-20, 24-29 and 33-36 of the present application. Applicants respectfully request that these rejections be withdrawn and that these claims be allowed.

35 USC §103 Rejections

Claims 4, 5, 12, 13, 22, 23, 31 and 32 have been rejected under 35 USC §103(a) as being unpatentable over Araki et al. in view of Dunthorn. Applicants respectfully traverse these rejections.

Dunthorn discloses a virtual button for touch screen that includes a touch sensitive orthogonal data field input device usually connected within a computing system in which a touch action at the device generates a stream of data related to the location within the field of the touch action. The orthogonal

data field input device includes circuitry for sensing the onset of a first touch action and for monitoring the continuity thereof; and a computing system including a second condition sensor for sensing the occurrence of a second predetermined condition; and, computing circuitry for generating the virtual push button upon the concurrence of touch action continuation and the occurrence of the second predetermined condition.

Applicants submit that claims 4, 5, 12, 13, 22, 23, 31 and 32 are dependent on one of independent claims 1, 9, 19 or 28 and, therefore, are patentable at least for the same reasons noted previously regarding these independent claims. Applicants submit that Dunthorn does not overcome the substantial defects noted previously regarding Araki et al. Specifically, neither Araki et al. nor Dunthorn, taken alone or in any proper combination, disclose, suggest or render obvious inputting data at a wireless device using a touch screen where the wireless device receives configuration information at the wireless device from a server. Moreover, the Examiner asserts that Dunthorn discloses a touch screen input device in which comprises detecting pressure of the object on the touch screen being greater than a predetermined at col. 6, line 66 - col. 7, line 2. However, this portion of Dunthorn merely discloses that increased pressure of the touch action of the forefinger at the location may be sensed as a second predetermined condition. This portion of Dunthorn does not disclose or suggest anything related to a pressure or detecting a pressure on the touch screen being greater than a predetermined value, as recited in the claims of the present application.

Accordingly, Applicants submit that neither Araki et al. nor Dunthorn, taken alone or in any proper combination, disclose, suggest or render obvious

the limitations in the combination of each of claims 4, 5, 12, 13, 22, 23, 31 and 32 of the present application. Applicants respectfully request that these rejections be withdrawn and that these claims be allowed.

Claims 11, 21, 30 and 37-42 have been rejected under 35 USC §103(a) as being unpatentable over Araki et al. in view of Allard et al. Applicants respectfully traverse these rejections.

Allard et al. discloses a personal communicator having improved zoom and pan functions for editing information on touch sensitive display. When the zoom function is selected, the user touches the screen, and a magnification frame or window appears. When the user removes his/her finger, the area within the frame is magnified. A pan function allows the user to shift the image within a viewing area. The user can pan the image by touching the display at an initial touch point and moving his/her finger keeping it in contact with the screen, to shift the touch point to a new touch point.

Applicants submit that claims 11, 21, 30 and 37-42 are dependent on one of independent claims 9, 19 and 28 and, therefore, are patentable at least for the same reasons noted previously regarding these independent claims. Applicants submit that Allard et al. does not overcome the significant defects noted previously regarding Araki et al. Specifically, neither Araki et al. nor Allard et al., taken alone or in any proper combination, disclose, suggest or render obvious inputting data at a wireless device using a touch screen where the wireless device receives configuration information at the wireless device from a server. Accordingly, Applicants submit that neither Araki et al. nor Allard et al., taken alone or in any proper combination, disclose, suggest or render obvious the limitations in the combination of each of claims 11, 21, 30

and 37-42 of the present application. Applicants respectfully request that these rejections be withdrawn and that these claims be allowed.

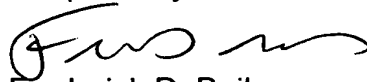
In view of the foregoing amendments and remarks, Applicants submit that claims 1, 4-36 and 38-42 are now in condition for allowance. Accordingly, early allowance of such claims is respectfully requested.

Attached hereto is a marked-up version of the changes made to the specification and claims by the current amendment. The attached page is captioned **"Version with markings to show changes made."**

To the extent necessary, Applicant petitions for an extension of time under 37 CFR §1.136. Please charge any shortage in the fees due in connection with the filing of this paper, including extension of time fees and excess claim fees, to

Deposit Account No. 01-2135 (referencing case No. 0171.38955X00) and please credit any excess fees to such deposit account.

Respectfully submitted,



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Version with markings to show changes made

IN THE CLAIMS

Claims 1, 9, 19, 28, 38, 39, 40 and 41 have been amended as follows.

1. (Twice Amended) A method of inputting data at a wireless device using a touch screen, the method comprising:

- receiving configuration information at the wireless device from a server;
- detecting an object touching the touch screen;
- detecting the location of the object on the touch screen;
- detecting x and y coordinates of a point of contact of the object on the touch screen;
- detecting when the object is no longer touching the touch screen and measuring a time duration from the time of detection of the object first touching the touch screen until the time of detection of the object no longer touching the touch screen; and
- determining inputted data based on the detected location of the object on the touch screen and the measured time duration.

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9. (Amended) [An] A wireless apparatus [for inputting data using a touch screen, the apparatus] comprising:

- a touch screen for inputting data;
- a touch detector for detecting an object touching the touch screen;
- a location detector for detecting the location of the object on the touch screen;
- another touch detector for detecting when the object is no longer touching the touch screen and a time duration measuring unit for measuring a

time duration from the time of detection of the object first touching the touch screen until the time of detection of the object no longer touching the touch screen; and

a data determination unit for determining inputted data based on the detected location of the object on the touch screen and the measured time duration, and

wherein the wireless apparatus receives configuration information from a server.

19. (Amended) A method of selecting a particular function on [an] a wireless electronic device having a touch screen, the method comprising:

receiving configuration information at the wireless electronic device from a server;

detecting an object touching the touch screen;

detecting the location of the object on the touch screen;

detecting when the object is no longer touching the touch screen and measuring a time duration from the time of detection of the object first touching the touch screen until the time of detection of the object no longer touching the touch screen; and

determining the particular function of the electronic device based on the detected location of the object on the touch screen and the measured time duration.

28. (Amended) [An] A wireless electronic device having an apparatus for selecting a particular function of the electronic device using a touch screen, the [apparatus] electronic device comprising:

wireless connection interface for receiving configuration information from a server;

a touch detector for detecting an object touching the touch screen;

a location detector for detecting the location of the object on the touch screen;

another touch detector for detecting when the object is no longer touching the touch screen and a time duration measuring unit for measuring a time duration from the time of detection of the object first touching the touch screen until the time of detection of the object no longer touching the touch screen; and

a data determination unit for determining the particular selected function based on the detected location of the object on the touch screen and the measured time duration.

38. (Amended) The [apparatus] device of claim [37] 9, wherein the server receives [terminal] the configuration information from a configuration tool manager of a management server.

39. (Amended) The method according to claim 1, [wherein the determining inputted data corresponds to displaying a focus screen of the object that indicates information about the selected object.] wherein the server

receives the configuration information from a configuration tool manager of management server.

40. (Amended) The method according to [claim 1, wherein the determining inputted data corresponds to a drag function.] claim 19, wherein the server receives the configuration information from a configuration tool manager of management server.

41. (Amended) [The method according to claim 1, wherein the determining inputted data corresponds to showing a hidden text under a touch input.] The apparatus according to claim 28, wherein the server receives terminal configuration information from a configuration tool manager of management server.